

<b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371</b>		ATTORNEY'S DOCKET NUMBER <div style="text-align: center;">58777.000019</div>
INTERNATIONAL APPLICATION NO. <div style="text-align: center;">PCT/JP2004/014598</div>		INTERNATIONAL FILING DATE <div style="text-align: center;">October 4, 2004</div>
TITLE OF INVENTION <b>METHOD OF INDUCING THE DIFFERENTIATION OF STEM CELLS INTO MYOCARDIAL CELLS</b>		U.S. APPLICATION NO. (if known, see 37 CFR 1.51) <div style="text-align: center; font-size: 1.5em;">10/5374530</div>
PRIORITY DATE CLAIMED <div style="text-align: center;">October 3, 2003</div>		
APPLICANT(S) FOR DO/EO/US <b>Keiichi FUKUDA; Shinsuke YUASA; Hideyuki OKANO; Takuya SHIMAZAKI; Uichi KOSHIMIZU; Tomofumi TANAKA and Kiejiro SUGIMURA</b>		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: <ol style="list-style-type: none"> <li>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. 371.</li> <li>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371.</li> <li>3. <input type="checkbox"/> This express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</li> <li>4. <input checked="" type="checkbox"/> The US has been elected (Article 31).</li> <li>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))             <ol style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input checked="" type="checkbox"/> has been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ol> </li> <li>6. <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).             <ol style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> is attached hereto.</li> <li>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</li> </ol> </li> <li>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))             <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> have been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input checked="" type="checkbox"/> have not been made and will not be made.</li> </ol> </li> <li>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</li> <li>9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</li> <li>10. <input type="checkbox"/> An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</li> </ol> <p><b>Items 11 to 20 below concern document(s) or information included:</b></p> <ol style="list-style-type: none"> <li>11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</li> <li>12. <input type="checkbox"/> An Assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</li> <li>13. <input checked="" type="checkbox"/> A Preliminary Amendment.</li> <li>14. <input checked="" type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.</li> <li>15. <input type="checkbox"/> A power of attorney and/or change of address letter.</li> <li>16. <input checked="" type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821-1.825.</li> <li>17. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).</li> <li>18. <input checked="" type="checkbox"/> Other items or information:</li> </ol> <p>Verified English Language Translation of International Application PCT/JP2004/014598 (including Specification (pages 1-53); 14 Claims (pages 54-55); Abstract (page 56); Figures 1-10 (10 pages); Sequence Listing (4 pages)); Submission of Sequence Listing; Notification Concerning Submission or Transmittal of Priority Document (PCT/IB/304); International Search Report of PCT/JP2004/014598 (PCT/ISA/210); PTO/SB/08B with 2 references; Unexecuted Declaration and Power of Attorney.</p>		

U.S. APPLICATION NO. (IF KNOWN, SEE 37 CFR 1.7) <b>10/574530</b>		INTERNATIONAL APPLICATION NO. PCT/JP2004/014598		ATTORNEY'S DOCKET NUMBER 58777.000019	
The following fees have been submitted:				<b>CALCULATIONS</b>	<b>PTO USE</b>
19.	<input checked="" type="checkbox"/> <b>Basic National Fee (37 CFR 1.492(a))</b>	<b>\$ 300.00</b>		<b>\$ 300.00</b>	
20.	<input checked="" type="checkbox"/> <b>Examination Fee (37 CFR 1.492(c))</b>  If the written opinion prepared by ISA/US or the International Preliminary Examination Report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4) <b>\$ 0.00</b> All other situations <b>\$ 200.00</b>			<b>\$ 200.00</b>	
21.	<input checked="" type="checkbox"/> <b>Search Fee (37 CFR 1.492(b))</b>  If the written opinion of the ISA/US or the International Preliminary Examination Report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4) <b>\$ 0.00</b> Search Fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority <b>\$ 100.00</b> International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB <b>\$ 400.00</b> All other situations <b>\$ 500.00</b>			<b>\$ 400.00</b>	
<b>TOTAL OF ABOVE CALCULATIONS =</b>				<b>\$ 900.00</b>	
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing filed in an electronic medium) (37 CFR 1.492(j)). The fee is <b>\$250.00</b> for each additional 50 sheets of paper or fraction					
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE		
- 100	/50		x <b>\$250.00</b>	\$	
Surcharge of <b>\$130.00</b> for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h))				\$	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$	
Total claims	<b>18 - 20 =</b>	0	x \$ 50.00	\$	
Independent claims	<b>1 - 3 =</b>	0	x \$200.00	\$	
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$360.00	\$	
<b>TOTAL OF ABOVE CALCULATIONS =</b>				<b>\$ 900.00</b>	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees above are reduced by 1/2.				\$	
<b>SUBTOTAL =</b>				<b>\$ 900.00</b>	
Processing fee of <b>\$130.00</b> for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				\$	
<b>TOTAL NATIONAL FEE =</b>				\$	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). <b>\$40.00</b> per property				\$	
<b>TOTAL FEES ENCLOSED =</b>				<b>\$ 900.00</b>	

U.S. APPLICATION NO. (IF KNOWN, SEE 37 CFR 1.7) <div style="font-size: 24pt; font-weight: bold; text-align: center;">10/574530</div>	INTERNATIONAL APPLICATION NO. PCT/JP2004/014598	ATTORNEY'S DOCKET NUMBER 58777.000019
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a. ☒ A check in the amount of \$900.00 to cover the above fees is enclosed.

b. ☐ Please charge Deposit Account No. 50-0206 in the amount of \$ \_\_\_\_\_ to cover the above fees.  
 A duplicate copy of this sheet is enclosed.

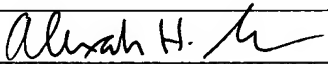
c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 50-0206 A duplicate copy of this sheet is enclosed.

d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. **Credit card information should not be included on this form.** Provide credit card information and authorization on PTO-2038.

**NOTE:** Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO:

**CUSTOMER NO. 21967**  
 Intellectual Property Department  
 Hunton & Williams LLP  
 1900 K Street, N.W.; Suite 1200  
 Washington, DC 20006-1109  
 (202) 955-1500 (telephone)  
 (202) 778-2201 (facsimile)

  
 SIGNATURE

Robert M. Schulman; Alexander H. Spiegler  
 NAME

31,196; 56,625  
 REGISTRATION NUMBER

April 3, 2006  
 DATE